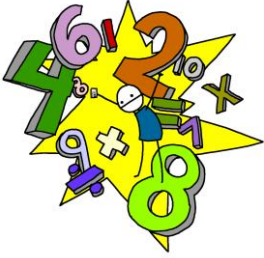


Lower School Summer Math Fun



Summer break naturally brings thoughts of fun in the sun and travel to the beach or other adventurous destinations. It surely does not bring thoughts of math! The summer of 2020 may be very different, but math classes will hopefully begin in August, whether in classrooms or in Zoom meetings. To continue the progress earned through the school year, some review and practice can certainly keep math knowledge and skills sharp as well as ease the transition to the next level in

August. Please consider the ideas and resources below as you plan your summer activities.

- ◆**Talk** about the math you come across in your daily routines, cooking, driving, etc.
- ◆**Play** the Everyday math games. Directions can be found online in the My Reference Book (Grades 1 &2) and the Student Reference Book (Grades 3-5.) Children who are still working on number sense and number combination fluency should play as much as possible.
- ◆Play board games and card games that involve counting, planning, strategy and fun!
- ◆Make up word problems, equations, and other math mysteries for your child to figure out. Take advantage of those math rich situations like trips, packing, etc. to show your child how we use mathematics in much of what we do every day. Think out loud.
- ◆**Always** ask, “How did you get that?” “Can you show me another way to do that?” “Remember how you did _____. See if you can use that same strategy.”
- ◆**Avoid** telling your child how to figure something out. Let them make sense of the problem for themselves. You can always say, “Show me how you figured that out.” Then wait, listen and reply with a positive response or question to lead them to understanding and an answer.
- ◆Test out some good websites and apps. Some are good for straight computation practice and others are valuable for problem solving.

Recommended summer review:

Summer Solutions - Our top recommendation - 30 lessons with a balanced review – summersolutions.net Louisville Collegiate has arranged for our families to purchase books for \$15.99 each (includes shipping) with the code H40204LCS. Order the grade level your child has just completed. The books will be sent directly to your home. This offer will end August 5, 2020.

Optional resources:

Math Minutes – Creative Teaching Press – Can be found at Barnes & Noble locally or online bookstores – can complete only the odd or even pages 4-5 days each week (about \$12-\$16)

[Noetic Learning](#)– Stay Ahead or Leap Ahead (has a gifted program too)
\$19.95-\$24.95/month

[IXL.com](#) – Free online practice

Subscription to skills practice which will track a student’s progress through weekly email updates \$9.95/mo. or \$79/year

Websites:

1st, 2nd & 4th grades used <https://xtramath.org/#/home/index> (also available as an app)

3rd grade used <https://www.mobymax.com/signin> (also available as an app)

[Cyberchase](#)- great games associated with TV show Cyberchase (grades 4+)

[Gamequarium](#)- links to other sites based on selected skill

[Everyday Math Online](#)

[Math Forum](#)

[aaamath](#)

[Funbrain](#)

[aplusmath](#)

[Braingle](#) – logic

[Puzzlebeast](#) - online puzzles

[Puzzlemix](#) - online number puzzles

Apps:

There are many apps specific to grade levels and specific skills. New ones are introduced all the time. Among the following are several that have been recommended by Parents Magazine, Edutopia and Education.com. Check itunes and Google Play for other recommended apps. Read the reviews to see if the app addresses your child’s math level and interests.

Peter Pig’s Money Coin Counter (K-2nd) Operation Math (2nd+)

Dinorama (2nd-3rd) Marble Math (3rd+)

Crazy Times Tables (3rd-4th) Motion Math: Cupcake (3rd+)

Mathmateer (3rd+) Monkey Tales: The Abbey of Aviath (4th+)

American Mensa Academy (5th+) Slice It (5th+)

Math Galaxy Whole Number Riddles & Math Galaxy Fraction & Decimal Riddles – all grade levels (1+)

Commercial games:

Battleship	Block by Block	Coda
Continuo	Hi Q	Mastermind
Yahtzee	Make 7	Count Down
Sum Time	Sum Swamp	SuperMind
Blink	Blokus	Othello
Set	Chess	Checkers
Snap it Up	Goblet	Rumis
Simon	Cribbage	Connect 4
Mathopoly	Head Full of Numbers	Sumoku
Pay Day	Pizza Fraction Fun Games	4-way Count Down
Money Bags: A Coin Value Game		

Books:

Family Math and Family Math for Young Children
by Jean Kerr Stenmark - Jam-packed with math games
and activities for all ages and skill levels.



The Book of Think by Marilyn Burns - Lots of great explorations and “math talk” ideas.

Math for Smarty Pants by Marilyn Burns – Some challenging and creative ideas/projects

Number puzzle books – Sudoku, Kakuro, Magic Squares, Logic, Brain Games, etc.